

SEQUENCE LISTING

<110> JURECIC, ROLAND
NACHTMAN, RONALD

<120> HEPP, A NOVEL GENE WITH A ROLE IN HEMATOPOIETIC AND NEURAL
DEVELOPMENT

<130> 39532-176599

<150> US 60/268,923

<151> 2001-02-16

<160> 11

<170> PatentIn version 3.0

<210> 1

<211> 2082

<212> DNA

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<220>

<221> CDS

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Met Phe Ala Arg Gly Leu Lys Arg Lys Tyr Gly Asp Gln
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Glu Glu Gly Val Glu Gly Phe Gly Thr Val Pro Ser Tyr Ser Leu Gln
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Arg Gln Ser Leu Leu Asp Met Ser Leu Val Lys Leu Gln Leu Cys His
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Met Leu Val Glu Pro Asn Leu Cys Arg Ser Val Leu Ile Ala Asn Thr
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Val Arg Gln Ile Gln Glu Glu Met Ser Gln Asp Gly Val Trp His Gly
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1006059.031502

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Glu Pro Asn Leu Cys Arg Ser Val Leu Ile Ala Asn Thr Val Arg Gln
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Ile Gln Glu Glu Met Ser Gln Asp Gly Val Trp His Gly Met Ala Pro
65 70 75 80

Gln Asn Val Asp Arg Ala Pro Val Glu Arg Leu Val Ser Thr Glu Ile
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Leu Cys Arg Thr Val Arg Gly Ala Glu Glu Glu His Pro Ala Pro Glu
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Leu Glu Asp Ala Pro Leu Gln Asn Ser Val Ser Glu Leu Pro Ile Val
115 120 125

Gly Ser Ala Pro Gly Gln Arg Asn Pro Gln Ser Ser Leu Trp Glu Met
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Asp Ser Pro Gln Glu Asn Arg Gly Ser Phe Gln Lys Ser Leu Asp Gln
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Ile Phe Glu Thr Leu Glu Asn Lys Asn Ser Ser Ser Val Glu Glu Leu
165 170 175

Phe Ser Asp Val Asp Ser Ser Tyr Tyr Asp Leu Asp Thr Val Leu Thr
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Gly Met Met Ser Gly Thr Lys Ser Ser Leu Cys Asn Gly Leu Glu Gly
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Ala Glu Leu Asp His Val Val Glu Ile Leu Val Glu Thr
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<220>
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His Glu Glu Asp Val Glu Gly Ala Leu Ala Gly Leu Lys Thr Val Ser
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Ser Tyr Ser Leu Gln Arg Gln Ser Leu Leu Asp Met Ser Leu Val Lys
30 35 40

ttg cag ctt tgc cac atg ctt gtg gag ccc aac ctg tgc cgc tca gtc 254
Leu Gln Leu Cys His Met Leu Val Glu Pro Asn Leu Cys Arg Ser Val
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 Asp Arg Leu Val Ser Thr Glu Ile Leu Cys Arg Ala Ala Trp Gly Gln
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 Glu Gly Ala His Pro Ala Pro Gly Leu Gly Asp Gly His Thr Gln Gly
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 Pro Val Ser Asp Leu Cys Pro Val Thr Ser Ala Gln Ala Pro Arg His
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 Ser Phe His Lys Ser Leu Asp Gln Ile Phe Glu Thr Leu Glu Thr Lys
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aac ccc agc tgc atg gaa gag ctg ttc tca gac gtg gac agc ccc tac 638
 Asn Pro Ser Cys Met Glu Glu Leu Phe Ser Asp Val Asp Ser Pro Tyr
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tac gac ctg gac aca gta ctg aca ggc atg atg ggg ggt gcc agg ccg 686
 Tyr Asp Leu Asp Thr Val Leu Thr Gly Met Met Gly Gly Ala Arg Pro
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ggc ccc tgc gaa ggg ctc gag ggc ttg gct ccg gcc acc cca ggc cct 734
 Gly Pro Cys Glu Gly Leu Glu Gly Leu Ala Pro Ala Thr Pro Gly Pro
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agc tcc agc tgc aag tcc gac ctg ggc gag ctg gac cac gtg gtg gag 782
 Ser Ser Ser Cys Lys Ser Asp Leu Gly Glu Leu Asp His Val Val Glu
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 Ile Leu Val Glu Thr
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Val Glu Gly Ala Leu Ala Gly Leu Lys Thr Val Ser Ser Tyr Ser Leu
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Gln Arg Gln Ser Leu Leu Asp Met Ser Leu Val Lys Leu Gln Leu Cys
 35 40 45

His Met Leu Val Glu Pro Asn Leu Cys Arg Ser Val Leu Ile Ala Asn
 50 55 60

Thr Val Arg Gln Ile Gln Glu Glu Met Thr Gln Asp Gly Thr Trp Arg
65 70 75 80

Thr Val Ala Pro Gln Ala Ala Glu Arg Ala Pro Leu Asp Arg Leu Val
85 90 95

Ser Thr Glu Ile Leu Cys Arg Ala Ala Trp Gly Gln Glu Gly Ala His
100 105 110

Pro Ala Pro Gly Leu Gly Asp Gly His Thr Gln Gly Pro Val Ser Asp
115 120 125

Leu Cys Pro Val Thr Ser Ala Gln Ala Pro Arg His Leu Gln Ser Ser
130 135 140

Ala Trp Glu Met Asp Gly Pro Arg Glu Asn Arg Gly Ser Phe His Lys
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Ser Leu Asp Gln Ile Phe Glu Thr Leu Glu Thr Lys Asn Pro Ser Cys
165 170 175

Met Glu Glu Leu Phe Ser Asp Val Asp Ser Pro Tyr Tyr Asp Leu Asp
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Thr Val Leu Thr Gly Met Met Gly Gly Ala Arg Pro Gly Pro Cys Glu
195 200 205

Gly Leu Glu Gly Leu Ala Pro Ala Thr Pro Gly Pro Ser Ser Ser Cys
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Lys Ser Asp Leu Gly Glu Leu Asp His Val Val Glu Ile Leu Val Glu
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Thr

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Leu

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His Met Leu Val Glu Pro Asn Leu Cys Arg Ser Val Leu Ile Ala Asn
50 55 60

Thr Val Arg Gln Ile Gln Glu Glu Met Thr Gln Asp Gly Thr Trp Arg
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Thr Val Ala Pro Gln Ala Ala Glu Arg Ala Pro Leu Asp Arg Leu Val
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